

**JP5245784****Publication number:** JP5245784**Publication date:** 1993-09-24**Inventor:** MATSUMARU TAKAFUMI**Applicant:** TOKYO SHIBAURA ELECTRIC CO**Classification:**

**- international:** B25J9/06; B25J9/08; B25J9/10; B25J9/16; B25J13/08;  
B25J18/00; B25J18/06; B25J19/02; B25J9/16;  
B25J9/00; B25J9/06; B25J9/10; B25J9/16; B25J13/08;  
B25J18/00; B25J19/02; B25J9/16; (IPC1-7): B25J13/08;  
B25J9/06; B25J9/08; B25J9/10; B25J9/16; B25J18/06;  
B25J19/02

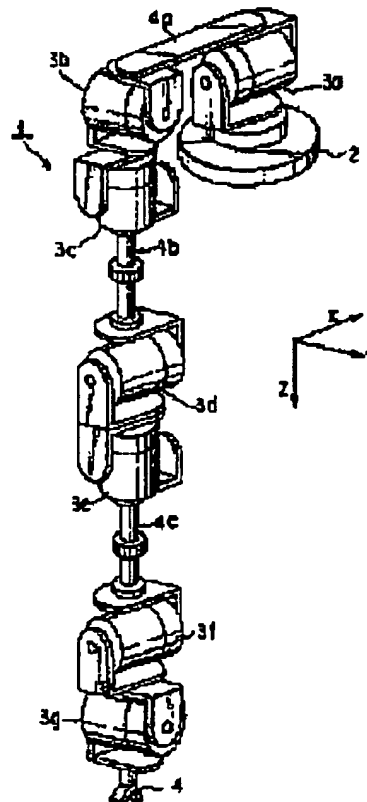
**- european:****Application number:** JP19920336766 19921125**Priority number(s):** JP19920336766 19921125; JP19910309426 19911125

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**Abstract of JP5245784**

**PURPOSE:** To provide a manipulator unit that is excellent in maintainability capable of shortening trouble of the rewriting and alteration of the like of a manipulator body for ease of assemblage and the driving control program with the alteration of freedom constitution in the assembly.

**CONSTITUTION:** This manipulator unit is composed of plural pieces of articulated modules 3a-3g and plural pieces of arm modules 4a-4c in combination. In these articulated modules, a gravity switch is provided as a identifying signal generator outputting an identifying signal showing the degree of assembling freedom in the assembly connection order of the module itself or a coordinate system direction. In each arm module, a measuring signal generator is provided to output a measuring signal showing length of an arm and the bending angle, and moreover, a signal processor is provided to analyze each signal showing a state of each module. On the basis of the signal, the driving control program of the manipulator body is automatically rewritten so as to be optimally operated in the state that the body is assembled up.



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